

ABSTRACT OF THE DISCLOSURE

5 A process for forming an ene reaction product wherein an enophile, such as maleic  
anhydride, is reacted with reactive polyalkene having a terminal vinylidene content of at least 30  
mol. %, at high temperature in the presence of a free radical inhibitor. The polyalkenyl acylating  
agents are useful *per se* as additives in lubricating oils, functional fluids, and fuels and also serve  
as intermediates in the preparation of other products (e.g., succinimides) useful as additives in  
lubricating oils, functional fluids, and fuels. The presence of the free radical inhibitor during the  
high temperature reaction results in a reaction product that is low, or substantially free from  
10 sediment.